

Air Force Communications Agency

Integrity - Service - Excellence

Air Force Windows 2000 Update



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Overview

- **Air Force AD Moratorium**
- **Test Enterprise**
- **Operational Enterprise**
- **AD Domain Topology Change**
- **AD Sizing**
- **Issues**



Air Force AD

~~Moratorium~~

- **Originally established Mar 2000 by Air Force SC**
- **Established to allow time to create an enterprise approach to AD**
- **AMC received a waiver as part of their email consolidation effort**
 - **Capitalized on work already done by Win 2000 working group**
- **AFMC, AFSPC, and PACAF currently are applying for waivers**
 - **As part of the waiver, they will be required to join the same AD enterprise established to support AMC**



Test Enterprise

- **Created to emulate the operational network as closely as possible**
- **A test bed where MAJCOMs can test before implementing on operational network**
- **Joining test domain is a prerequisite to joining operational domain**
- **Currently consists of sites at AFNOC (root), AFIWC, AMC, PACAF, AFSPC, and AFMC**
 - **In the process of adding AETC and USAFE**



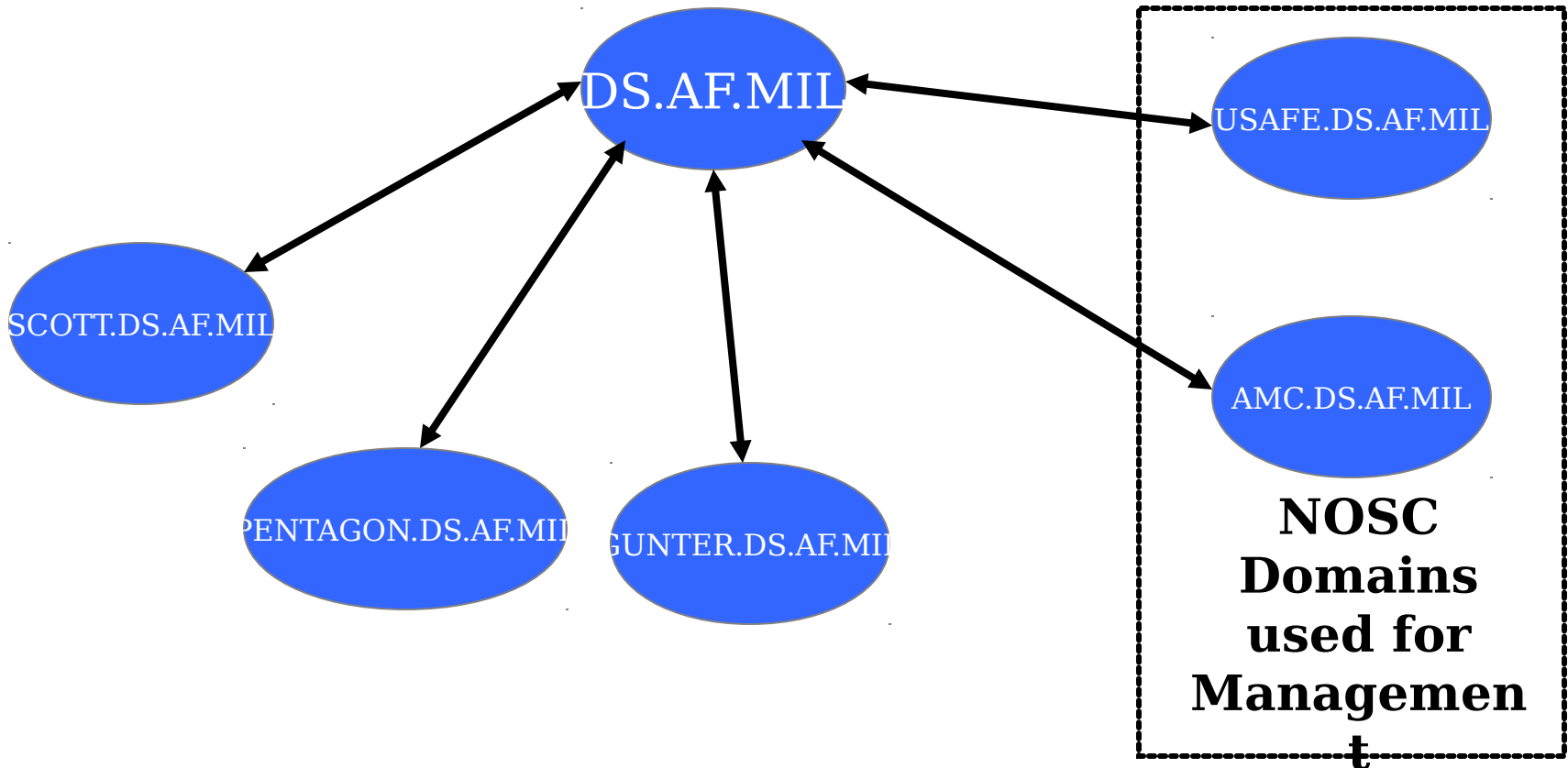
Operational Enterprise

- **Air Force AD root was established Oct 2000 to support AMC**
- **Created an AMC domain for their consolidated email servers**
- **Currently serving the email for ~8100 people at Charleston AFB, and McConnell AFB**
 - **User accounts still on NT4 domain**
 - **Access email through trust**
 - **Will begin migrating Scott AFB this month**



Approved Topology

Option 2a: One Air Force tree with AF.MIL root and sub domains of Bases and MAJCOM NOSCs





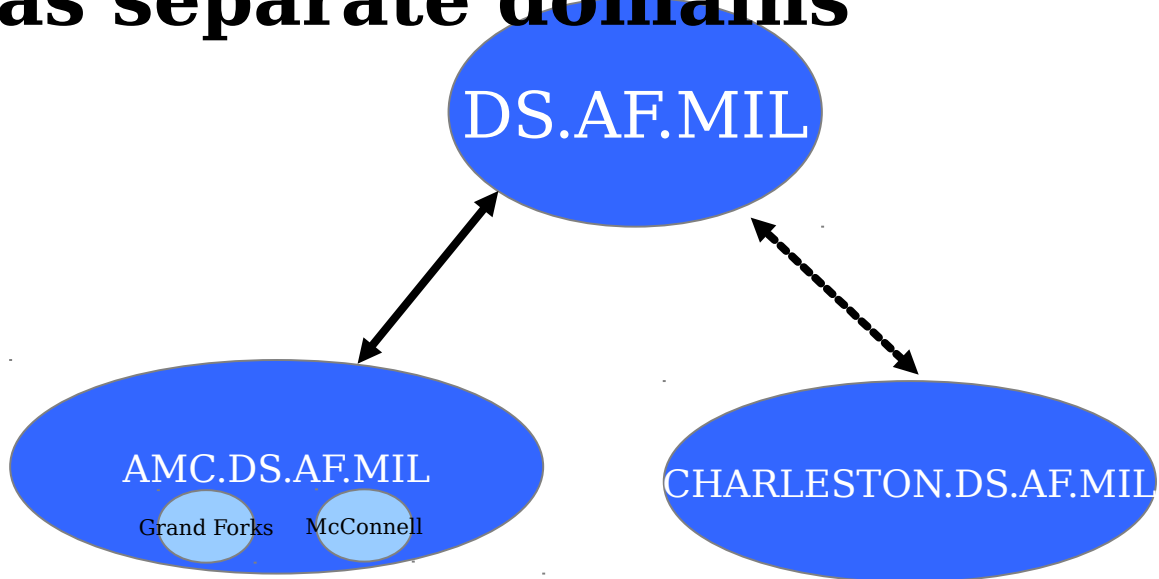
AD Domain Topology Change

- **Situation has changed**
- **Better understanding of AD**
- **New efforts**
 - **Regionalization**
 - **E-mail consolidation**
 - **Increased Bandwidth between bases and MAJCOMs**
- **MAJCOMs have expressed interest in revisiting recommend topology**



AD Domain Topology ***Change***

MAJCOMs may implement bases as OUs within a single MAJCOM domain that can be extended to the bases and they may also elect to keep some bases as separate domains





AD Domain Topology ***Change***

- **Allows MAJCOMs to establish domains at base level, or at MAJCOM level or a combination**
 - **AMC will create one domain with all bases as OUs in that domain**
 - **PACAF will create a domain at each base**
 - **AFSPC will create one domain to encompass their 'front range' bases and a domain at each of their other bases**



Issues

Several technical issues have come to light

- **Exchange 2000 container structure**
 - One set of containers for entire enterprise
 - Implies a change to the way MAJCOMs currently manage email
- **KCC (knowledge consistency checker)**
 - Becomes quickly overwhelmed as DCs are added to the enterprise
- **AD sizing**
 - Still gathering required information to estimate size of AD database
 - Current estimate ~26Gig



Questions

■ POC

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